

STIC-ILL

415,138

7.10.19

From: Portner, Ginny  
Sent: Friday, October 04, 2002 10:54 AM  
To: STIC-ILL  
Subject: ab toxin mutant

Solid phase synthesis of two cholera toxin B subunit antigens.  
Delmas A; Guyon-Gruaz A; Halimi H; Raulais D; Rivaille P  
International journal of peptide and protein research (DENMARK) Apr  
1985, 25 (4) p421-4, ISSN 0367-8377 Journal Code: 0330420  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed  
Subfile: INDEX MEDICUS

4019025-PM

The 30-50 and 50-75 sequences of the cholera toxin beta chain including the amino-acids that are thought to be involved in toxin-receptor binding have been synthesized using the solid phase method. They were then purified by gel permeation and ion exchange chromatography. Both these free peptides induced serum antibodies recognising the native toxin after oral or intraperitoneal administration. Only the antibodies raised against the 50-75 peptide, however, were able to neutralize toxin activity.

*Ginny Portner*  
CM1, Art Unit 1645  
Room 7e13  
Mail box 7e12  
(703) 308-7543